Linking GitHub to Watson Studio

Estimated time needed: **30** minutes

Pre-requisite :

- IBM Cloud Account
- GitHub Account
- Watson Studio Service & Project creation

    NOTE: IF you don't have a IBM Cloud account follow the steps given in [link](#).

    To create Watson service, follow the steps given in the [link](#)

    To create GitHub Account, follow the steps given in the [link](#)

Objectives

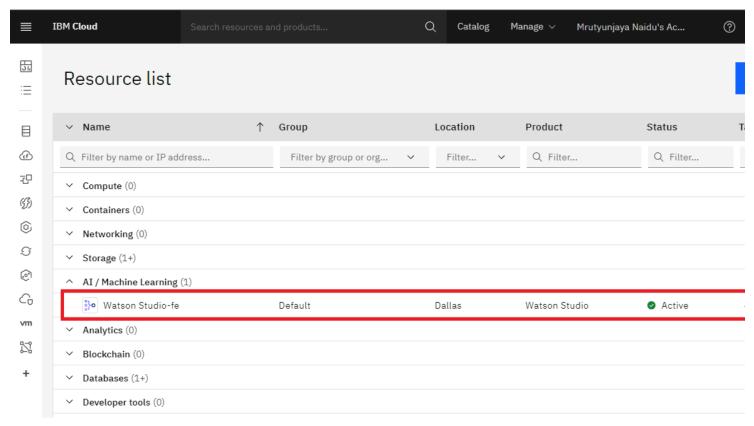After completing this lab you will be able to:

- Understand how to connect Watson Studio account with GitHub
- Publish Watson Notebook on GitHub.

Exercise

In this exercise through different tasks, you will learn how to connect Watson Studio with GitHub and publish the notebook through Watson Studio
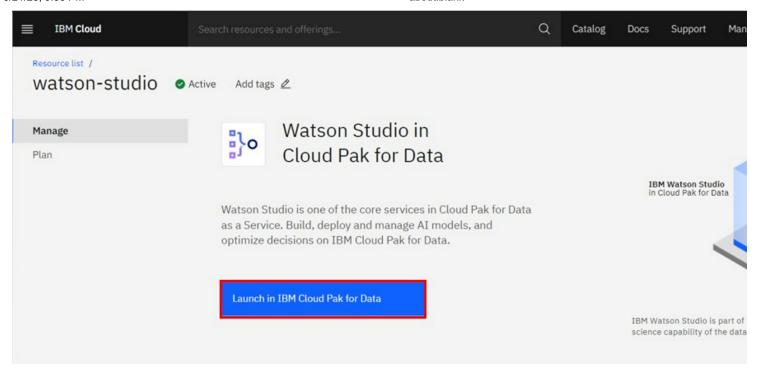
Task A: Integrating Watson Studio with GitHub

1. Login to IBM Cloud account: https://cloud.ibm.com/login

2. Open **Resource List** using https://cloud.ibm.com/resources
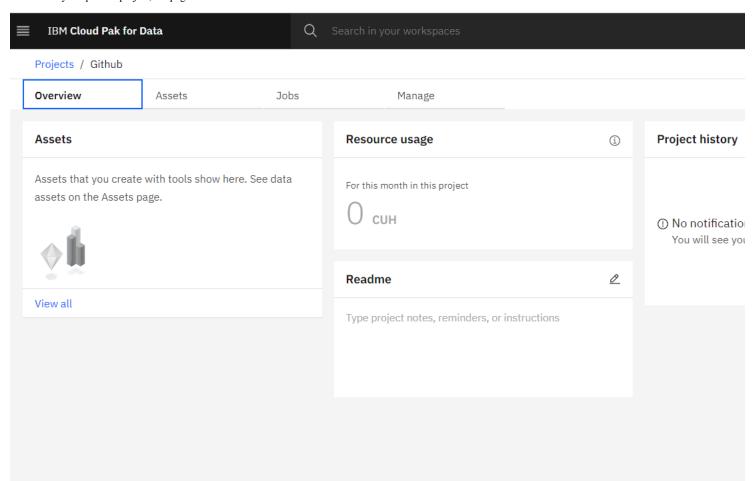
3. Under **AI / Machine Learning**. Click **Watson Studio**.

3. You will be redirected to Watson studio. Click **Launch in IBM Cloud Pak for Data**.
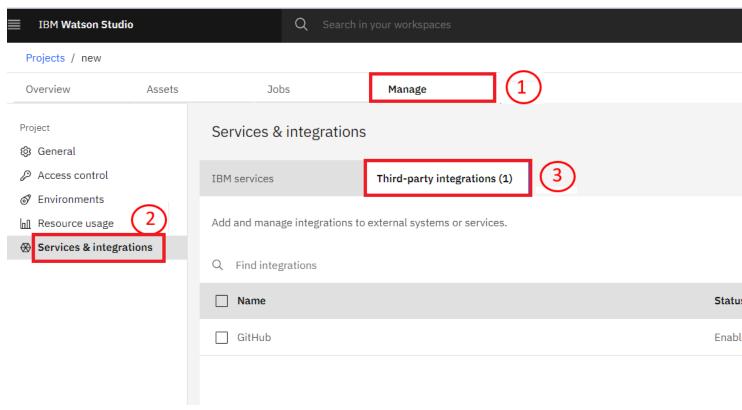
4. Click on the project you have created already. *(If you have not created any project, follow the Watson Studio and project creation from pre-requisites.)*
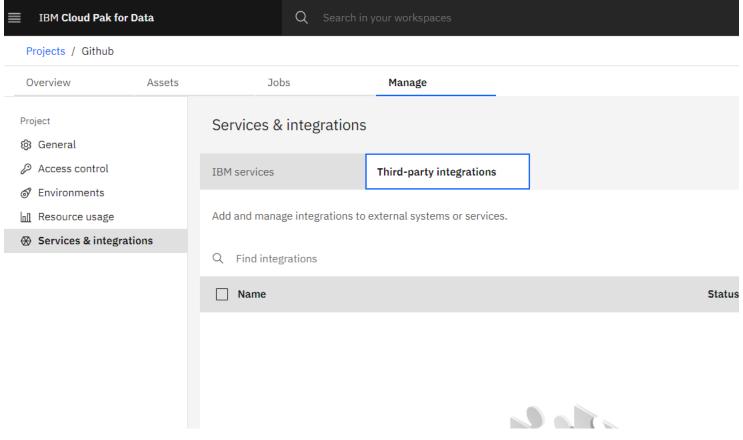
5. Once you open the project, the page looks like as:

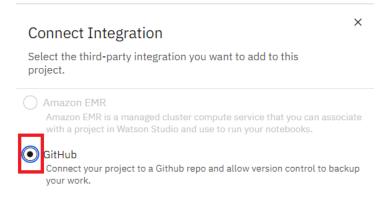6. Click on **Manage** tab. Select **Service &nbps; integrations** and click **Third-Party integrations**.

7. Click on **Connect integration**

8. Select **GitHub** and click **Next**.

Connect Integration

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Select the third-party integration you want to add to this
project.

○ Amazon EMR
   Amazon EMR is a managed cluster compute service that you can associate
   with a project in Watson Studio and use to run your notebooks.

◉ GitHub
   Connect your project to a Github repo and allow version control to backup
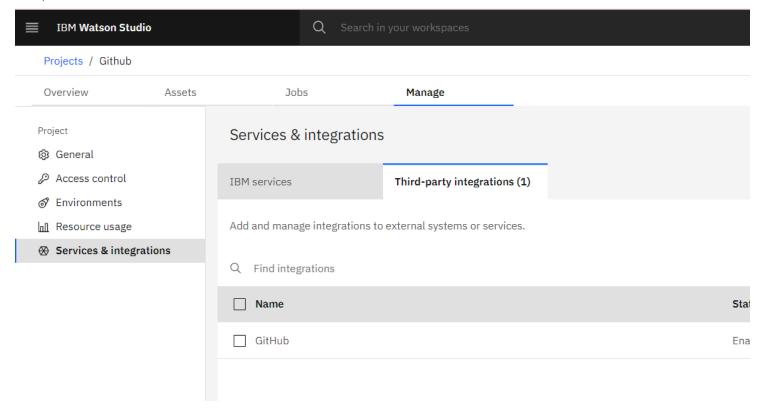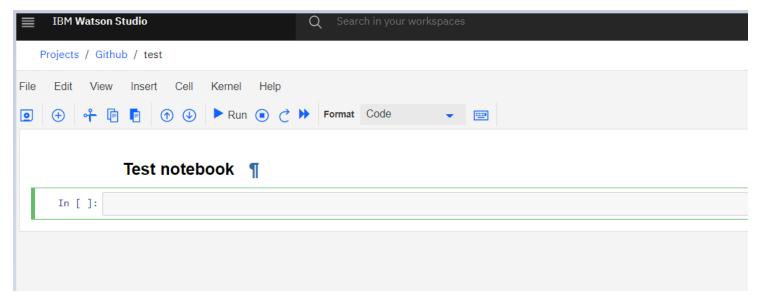   your work.

Cancel	Next	

9. Then generate Access Token and add it in **Personal access Token**. Once the Access token is added, enter the repository name where you want to push the notebook.
   Then click on **connect** button.

▶ Click here for Generating Access token

10. Once the repository is added successfully, you get a successfully connected message as shown in the screenshot below:
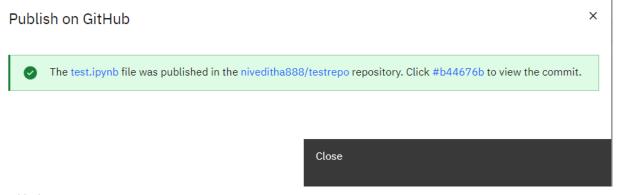
Task B: Publish Watson Notebook on GitHub

1. Select the notebook you wish to push on to the GitHub, select the up-arrow and click on **Publish on GitHub**.
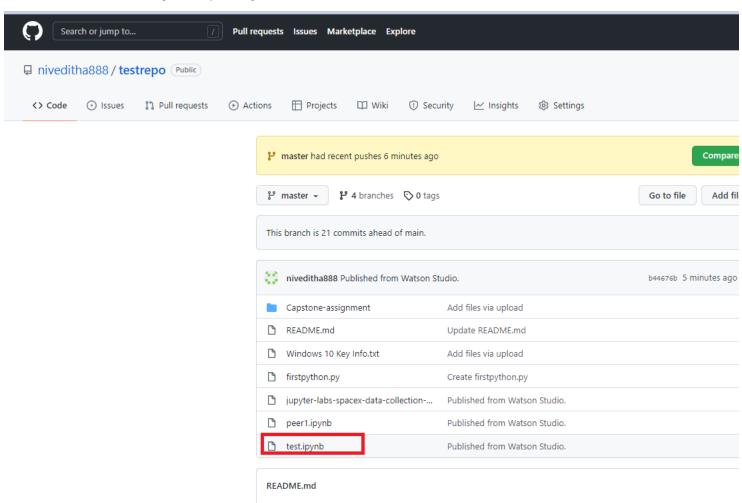

A success message will be poped indicating the name of the repository with the notebook name.ipynb.

2. You can see the notebook test.ipnb which you have published from Watson Studio.

▶ **Important notes**

Author

[Niveditha Pandith](#)

Other Contributor(s)

[Malika Singla](#)

Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2022-05-05	0.1	Niveditha	Created Initial Version
2023-02-07	0.2	Anita Verma	Updated instructions & screenshots